

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	27	((ASHUTOSH) near2 (CHILKOTI)).INV.	US-PGPUB	ADJ	ON	2011/11/23 16:11
L2	8	((HONGWEI) near2 (MA)).INV.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/11/23 16:11
L3	1	(1 or 2) and (nonfouling or non-fouling or proten with resistant).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/11/23 16:12
L4	1	(1 or 2) and (tri(sarcosine)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/11/23 16:12
S1	8	"783054".ap.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/02/27 16:18
S2	3	tri(sarcosine)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/02/27 16:25
S3	1	S1 and kosmotrope	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/02/27 16:27
S4	15081	sarcosine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/02/27 16:45
S5	789	S4 and brush	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/02/27 16:45

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S6	14	S4 same brush	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/02/27 16:45
S7	27	("20030059537" "20030108879" "20030118692" "20030185741" "20040079195" "20040208929" "20070072220" "20070224236" "20070254006" "6413587" "6423465" "6512060" "6541580" "6649138").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/02/27 16:46
S8	0	S7 and sarosine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/02/27 16:47
S9	1	S7 and sarcosine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/02/27 16:47
S10	2	S1 and anchoring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/02/27 16:54
S11	17055	\$6sarcosine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/02/27 17:16
S12	5	S4 and polymer brush	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/02/27 17:18
S13	5	S11 and polymer brush	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/02/27 17:18

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S14	1	S1 and spacer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/02/27 18:09
S15	2689	alkanethiol	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/02 10:19
S16	988	S15 and (polymer with surface)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/02 10:20
S17	151	S16 and acrylonitrile	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/02 10:20
S18	134	S17 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/02 10:21
S19	27	("20030059537" "20030108879" "20030118 692" "20030185741" "20040079195" "2004 0208929" "20070072220" "20070224236" " 20070254006" "6413587" "6423465" "6512 060" "6541580" "6649138").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/02 11:47
S20	6	S19 and receptor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/02 11:47
S21	8687	tungsten and gold and (polymer with (brush or surface))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/02 11:59

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S22	146	tungsten and gold and (polymer with (brush))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/02 12:00
S23	106	S22 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/02 12:00
S24	1	S19 and S23	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/02 12:01
S25	6	sarc and (protein resistant or non-fouling or nonfouling)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/02 12:28
S26	1	("7276286").PN.	USPAT; USOCR	OR	OFF	2009/03/02 12:28
S27	0	S26 and acrylonitrile	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/02 12:31
S28	1	S26 and device	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/02 14:42
S29	0	S26 and receptor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/02 15:02
S30	1	S26 and ligand	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/02 15:02

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S31	2	us-20020102405-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/02 16:03
S32	1	("6071980").PN.	USPAT; USOCR	OR	OFF	2009/03/02 16:41
S33	756	(acrylonitrile same (coat\$4 or layer)) and medical device	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/02 16:42
S34	504	S33 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/02 16:42
S35	20	S34 and (surface (initiated or linked or bound))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/02 16:43
S36	744	(nonfouling or non-fouling or protein resistant or ((resists or inhibits protein)) and (density with surface)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/03 11:27
S37	595	S36 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/03 11:28
S38	38	(nonfouling or non-fouling or protein resistant or ((resists or inhibits protein)) same (density with surface)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/03 11:28
S39	29	S38 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/03 11:28

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S40	5	"519038".ap.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/03 12:12
S41	27	("20030059537" "20030108879" "20030118692" "20030185741" "20040079195" "20040208929" "20070072220" "20070224236" "20070254006" "6413587" "6423465" "6512060" "6541580" "6649138").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/03 14:19
S42	26	((ASHUTOSH) near2 (CHILKOTI)).INV.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/04 09:25
S43	4	((HONGWEI) near2 (MA)).INV.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/04 09:25
S44	17	S42 and polymer.dlm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/04 09:26
S45	10	S44 and (protein.dlm. or nonfouling.dlm.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/04 09:26
S46	2	surface with density with (sam or self assembled monolayer) with (" .mu.g" or mg or ng)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/05 12:09
S47	15	(sam or self assembled monolayer) same (surface with density with (" .mu.g" or mg or ng))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/05 12:11
S48	19	(non-fouling or nonfouling or protein resistant or resist with protein) and (surface with density with (" .mu.g" or mg or ng))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/05 12:13

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S49	0	"783054".ap. and kosomotrope	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/05 13:54
S50	0	"783054".ap. and kosmootrope	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/05 13:54
S51	1	"783054".ap. and kosmotrope	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/03/05 13:54
S52	46	(nonfouling or non-fouling or protein resistant or ((resists or inhibits protein)) same (density with surface)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/11/29 12:39
S53	30	S52 and (@ad< "20040220" or @pd< "20040220" or @prad< "20040220" or @rlad< "20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/11/29 12:39
S54	30	S53	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/11/29 12:39
S55	111	kosmotrope	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/11/29 12:41
S56	16547	sarcosine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/11/29 12:41

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S57	4	(nonfouling or non-fouling or protein resistant or ((resists or inhibits) protein)) same S56	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/11/29 12:41
S58	379	(nonfouling or non-fouling or protein resistant or ((resists or inhibits) protein)) and S56	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/11/29 12:41
S59	318	S58 and (@ad< "20040220" or @pd< "20040220" or @prad< "20040220" or @rlad< "20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/11/29 12:42
S60	26	alkanethiol and sarcosine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/11/29 12:44
S61	2	"783054".ap. and vinyl	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 14:13
S62	325	\$6sarcosine same (vinyl or acrylic or acrylamide or acrylat or methacrylate or methacrylic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 14:36
S63	514	\$6sarcosine same (vinyl or acrylic or acrylamide or acrylat or methacrylate or methacrylic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 14:36
S64	547	\$6sarcosine same (vinyl or acrylic or acrylamide or acrylate or methacrylate or methacrylic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 14:36



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S65	251	\$6sarcosine with (vinyl or acrylic or acrylamide or acrylate or methacrylate or methacrylic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 14:36
S66	195	S65 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 14:36
S67	0	(tri(sarcosine) or trisarcosine) same (vinyl or acrylic or acrylamide or acrylate or methacrylate or methacrylic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 14:37
S68	6	(tri(sarcosine) or trisarcosine) and (vinyl or acrylic or acrylamide or acrylate or methacrylate or methacrylic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 14:37
S69	158	non-fouling same (vinyl or acrylic or acrylamide or acrylate or methacrylate or methacrylic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 15:13
S70	95	S69 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 15:13
S71	600	(protein resitant or hydrophilic or anti-fouling) (head or moiety or functional group) with (acrylate or vinyl or methacrylate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 16:54
S72	17290135	s	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 16:54

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S73	600	(protein resistant or hydrophilic or anti-fouling) (head or moiety or functional group) with (acrylate or vinyl or methacrylate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 16:54
S74	5	(protein resistant or anti-fouling) (head or moiety or functional group) with (acrylate or vinyl or methacrylate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 16:54
S75	211	(protein resistant or anti-fouling) with (acrylate or vinyl or methacrylate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 16:54
S76	170	S75 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 16:54
S77	50	(protein resistant or anti-fouling) with (acrylate or vinyl or methacrylate) with monomer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 16:55
S78	40	S77 and S76	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 16:55
S79	1	"783054".ap. and ex vivo	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 17:27
S80	23	methacryloyloxyethylphosphorylcholine and orthopedic with (implant or prosthesis)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 17:49

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S81	10	methacryloyloxyethyl phosphorylcholine and orthopedic with (implant or prosthesis)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 17:49
S82	33	S80 or S81	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 17:49
S83	0	S82 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 17:49
S84	122	phosphorylcholine and orthopedic with (implant or prosthesis)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 17:49
S85	48	S84 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 17:50
S86	17	methacryloyloxyethyl phosphorylcholine and orthopedic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 17:51
S87	23	methacryloyloxyethylphosphorylcholine and orthopedic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 17:51
S88	40	S86 or S87	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 17:52

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S89	0	S88 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 17:52
S90	210	orthopedic and (anti-fouling or antifouling or nonfouling or non-fouling or protein resitant or protein resistance or biocompat\$5 with improv\$4) with (coat\$4 or layer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 17:53
S91	1038	orthopedic with (implant or insert or prosthesis or prosthetic) and implant\$5 with (week or day)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 23:56
S92	706	orthopedic adj4 (implant or insert or prosthesis or prosthetic) and implant\$5 with (week or day)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/01 23:57
S93	510	S92 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/02 00:00
S94	407	S93 and (non-fouling or nonfouling or protein resistant or biocompatible)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/02 00:01
S95	24	temporary with orthopedic adj4 (implant or insert or prosthesis or prosthetic) and implant\$5 with (week or day)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/02 00:24
S96	15	S95 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/02 00:24

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S97	267	temporary and orthopedic adj4 (implant or insert or prosthesis or prosthetic) and implant\$5 with (week or day)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/02 00:25
S98	203	S97 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/02 00:25
S99	54	temporary same orthopedic adj4 (implant or insert or prosthesis or prosthetic) and implant\$5 with (week or day)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/02 00:25
S10 0	41	S99 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/02 00:25
S10 1	1	"928889".ap. and pet and pore and scaffold	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/02 12:28
S10 2	1	"783054".ap. and linking layer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/06 08:01
S10 3	20	surface initiated and (non-fouling or nofouling or protein resitant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/06 08:02
S10 4	3	S103 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/06 08:04

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S10 5	135	mpc and (phosphorylcholine or phosphoryl choline) and (biocompatible or non-fouling or nofouling or protein (resistant or resistance) adj4 surface)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/06 08:33
S10 6	276	mpc and (phosphorylcholine or phosphoryl choline) and (biocompatible or non-fouling or nofouling or protein (resistant or resistance) adj4 surface)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/06 08:33
S10 7	98	S106 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/06 08:34
S10 8	41	mpc and (phosphorylcholine or phosphoryl choline) and (biocompatible or non-fouling or nofouling or protein (resistant or resistance) )adj4 surface	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/06 08:34
S10 9	271	(peg or peo or oligo(ethylene glycol) or poly(ethylene glycol) or poletylene glycol or poly(ethylene oxide ) or polyethylene oxide) with (phosphorylcholine or phosphoryl choline) and (biocompatible or non-fouling or nofouling or protein (resistant or resistance) adj4 surface)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/06 08:44
S11 0	76	S109 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/06 08:44
S11 1	77	temporary with bone screw	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/08 16:47
S11 2	10	S111 and (week or month or day)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/08 16:47

## EAST Search History (Prior Art)

S11 3	416	(temporary or short term) with (bone screw or orthopedic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/08 16:54
S11 4	197	(temporary or short term) with (bone screw or orthopedic adj4 implant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/08 16:54
S11 5	92	S114 and (week or month or day)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/08 16:54
S11 6	10	surface initiated with polymerization same (medical device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/08 17:17
S11 7	51	surface with initiat\$5 with polymerization same (medical device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/08 17:18
S11 8	29	S117 and (@ad< "20040220" or @pd< "20040220" or @prad< "20040220" or @rlad< "20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/08 17:18
S11 9	0	"grafting from" and medical device	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/08 17:45
S12 0	0	"grafting from"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/08 17:46

## EAST Search History (Prior Art)

S12 1	273	grafting with (coating or layer) with polymer and medical device	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/08 17:46
S12 2	207	S121 and (@ad< "20040220" or @pd< "20040220" or @prad< "20040220" or @rlad< "20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/08 17:46
S12 3	599	orthopedic adj4 (implant or device or prosthesis or prosthetic) same (biocompatible or non-fouling or nonfouling)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/08 20:09
S12 4	85	orthopedic adj4 (implant or device or prosthesis or prosthetic) same (biocompatible or non-fouling or nonfouling) with (layer or coat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/08 20:09
S12 5	137	orthopedic adj4 (implant or device or prosthesis or prosthetic) same (biocompatible or non-fouling or nonfouling) with (layer or coat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/08 20:09
S12 6	96	S125 and (@ad< "20040220" or @pd< "20040220" or @prad< "20040220" or @rlad< "20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/08 20:09
S12 7	8	orthopedic adj4 (implant or device or prosthesis or prosthetic) same (biofouling or non-fouling or nonfouling) with (layer or coat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/09 10:19
S12 8	54	orthopedic adj4 (implant or device or prosthesis or prosthetic) and (biofouling or non-fouling or nonfouling) with (layer or coat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/09 10:19



## EAST Search History (Prior Art)

S12 9	22	S128 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/09 10:20
S13 0	264	polymer with orthopedic (implant or prosthetic or prosthesis)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/09 12:44
S13 1	195	S130 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/09 12:44
S13 2	210	(temporary or short term) with (bone screw or orthopedic adj4 (prosthesis or prosthetic or implant))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/09 18:14
S13 3	132	S132 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/09 18:15
S13 4	54	S133 and (day or week or month)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/09 18:15
S13 5	96	receptor with (layer or coat\$4) same (implant or prosthesis or prosthetic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/10 13:05
S13 6	238	receptor with (layer or coat\$4) same (implant or prosthesis or prosthetic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/10 13:05

## EAST Search History (Prior Art)

S13 7	206	S136 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/10 13:05
S13 8	19	graft\$4 density and ((protein or bacteria) resistant or nonfouling or non-fouling)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/10 13:37
S13 9	91	graft\$4 density with polymer with (substrate or surface)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/10 22:14
S14 0	6	graft\$4 density with polymer same (substrate or surface) and density with (mm or cm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/10 22:21
S14 1	18	graft\$4 density with polymer same (substrate or surface) and density with ("mm.sup.2" or "cm.sup.2")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/10 22:22
S14 2	9	(US-20020102405-\$ or US-20030195610-\$ or US-20040144655-\$ or US-20050237480-\$).did. or (US-6071980-\$ or US-5697779-\$ or US-6325628-\$ or US-5064439-\$).did. or (WO-0064505-\$).did.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2011/03/15 11:45
S14 3	4	S142 and joint	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/03/15 11:45
S14 4	851	((external adj4 fixation) with fracture or bone pin) and (day or week)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/03/15 15:09
S14 5	71	((external adj4 fixation) with fracture or bone pin) same (day or week)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/03/15 15:10

## EAST Search History (Prior Art)

S14 6	59	S145 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/03/15 15:10
S14 7	229	((external adj4 fixation) with fracture with pin)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/03/15 15:11
S14 8	80	S147 and (day or week)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/03/15 15:11
S14 9	54	S148 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/03/15 15:11
S15 0	7	(surface inititated or surface-initiated) and (medial device or implant) same (bacteria or protein or bacterial) with (resist or resistance or resistant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/03/15 17:39
S15 1	7	(surface with initiat\$5 or surface-initiated) and (medial device or implant) same (bacteria or protein or bacterial) with (resist or resistance or resistant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/03/15 17:40
S15 2	7	(surface with initiat\$5 or surface-initiated) and (medial device or implant) same (bacteria or protein or bacterial) with (resist or resistance or resistant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/03/15 17:40
S15 3	30	(surface with initiat\$5 or surface-initiated) and (medial device or implant) and (bacteria or protein or bacterial) with (resist or resistance or resistant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/03/15 17:41

## EAST Search History (Prior Art)

S15 4	9	S153 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/03/15 17:41
S15 5	2577	(nonfouling or non-fouling or protein resistant or ((resists or inhibits) adj5 protein)) and (density with surface)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/11/22 14:13
S15 6	372	S155 and self assembled monolayer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/11/22 14:13
S15 7	164	S155 and self assembled monolayer same polymer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/11/22 14:14
S15 8	11	S157 and (sarcosine or methylglycine or methyl glycine )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/11/22 14:14
S15 9	5	S158 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/11/22 14:14
S16 0	123	S157 and (ethylene glycol or etheylene oxide or polyethyleneglycol or polyethyleneoxide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/11/22 14:18
S16 1	87	S160 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/11/22 14:18

## EAST Search History (Prior Art)

S16 2	48609	(nonfouling or non-fouling or protein resistant or ((resists or inhibits) adj5 protein))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/11/22 14:20
S16 3	239	S162 and self assembled monolayer same polymer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/11/22 14:20
S16 4	23	S163 and (sarcosine or methylglycine or methyl glycine )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/11/22 14:20
S16 5	10	S164 and (@ad< "20040220" or @pd< "20040220" or @prad< "20040220" or @rlad< "20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/11/22 14:20
S16 6	5	S165 not S159	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/11/22 14:20
S16 7	566	S162 and (surface initiated with polymerization or graft polymerization or (graft or grafted) adj4 polymer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/11/22 14:21
S16 8	598	S162 and (surface initiated with polymerization or graft polymerization or (graft or grafted) adj4 polymer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/11/22 14:22
S16 9	380115	S168 and acrylate or methacrylate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/11/22 14:27

## EAST Search History (Prior Art)

S17 0	458	S168 and (acrylate or methacrylate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/11/22 14:27
S17 1	35	S170 and mpc	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/11/22 14:28
S17 2	13	S170 and methacryloyloxyethyl phosphorylcholine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/11/22 14:28
S17 3	5	S166 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/11/22 14:28
S17 4	1	S172 and (@ad<"20040220" or @pd<"20040220" or @prad<"20040220" or @rlad<"20040220")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/11/22 14:29
S17 5	1323	(surgery or surgical) with sling	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/11/22 14:56
S17 6	679	(surgery or surgical) adj5 sling	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/11/22 14:56
S17 7	40	(surgery or surgical) adj5 sling same (coating or coat)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2011/11/22 14:56

## EAST Search History (Interference)

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